Task 1: Sum of Odd and Even Numbers

```
numbers = list(map(int, input('Enter the numbers:').split()))

sum_of_odd = 0
sum_of_even = 0

for number in numbers:
    if number % 2 == 0:
        sum_of_even += number
    else:
        sum_of_odd += number

print('Sum of even:', sum_of_even)
print('Sum of odd:', sum_of_odd)
```

Task 2: Smallest Number from a Set of Numbers

```
numbers = list(map(int, input('Enter the numbers:').split()))

min = numbers[0]

for i in numbers:
    if i < min:
        min = i

print('Smallest number is:', min)
```

Task 3: Sum of Numbers Divisible by 3 and Not by 5

```
sum = 0
for i in range(50, 101):
    if i % 3 == 0 and i % 5 != 0:
        sum += i

print('Sum is:', sum)
```

Task 4: Second Highest Number from a Set of Numbers

```
numbers = list(map(int, input('Enter the numbers:').split()))

for i in range(len(numbers)):
    for j in range(len(numbers) - i - 1):
        if numbers[j] < numbers[j + 1]:
            temp = numbers[j]
            numbers[j] = numbers[j + 1]
            numbers[j + 1] = temp

print('Second Highest:', numbers[1])
```

Task 5: Factorial of a Number Using For Loop

```
n = int(input('Enter a number:'))

num = 1

for i in range(1, n + 1):
    num = num * i
print('Factorial is:', num)
```

Task 6: Fibonacci Series

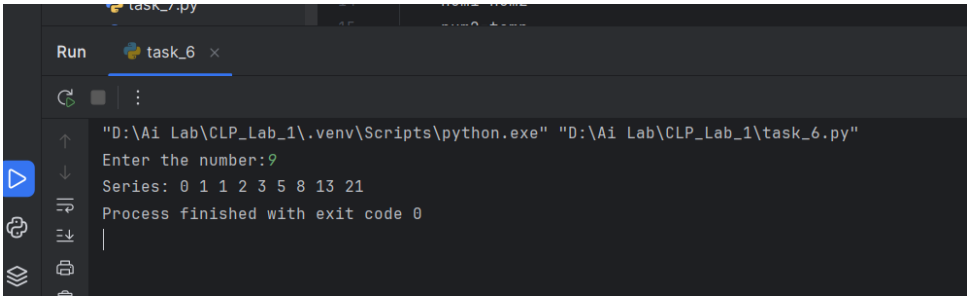
```
n = int(input('Enter the number:'))
num1 = 0
num2 = 1

print('Series:', end=' ')

print(num1, end=' ')
print(num2, end=' ')

for i in range(3, n + 1):
    print(num1 + num2, end=' ')

    temp = num1 + num2
    num1 = num2
    num2 = temp
```



Task 7: Largest Number Between Two Numbers Using Function

```
num1, num2 = map(int, input("Enter two numbers:").split())

def task_7(num1, num2):
    if num1 > num2:
        return num1
    else:
        return num2

print('Largest Number:', task_7(num1, num2))
```

Task 8: Sum of Numbers Passed as Parameters

```
numbers = list(map(int, input('Enter Numbers:').split()))

def task_8(numbers):
    sum = 0
    for num in numbers:
        sum = sum + num
    return sum

print('Sum:', task_8(numbers))
```

GitHub Repository

For more details: https://github.com/sayed-2299/Academic/tree/main/Artificial%20Intelligence%20(CSE-316)/CLP_1